



Table 2 - Level I Potential Retrofit Project Site Evaluation

Potential Retrofit Project				Other Planned Projects ^a	Potential Retrofit Project Evaluation ^b						Notes
Rank	Retrofit Project ID	Location	Potential Retrofit Opportunities	Proposed Improvements	Infiltration Feasibility	Risk to Environment	Site Slope	Subbasin Retrofit Need	Connectivity to Storm Conveyance System	Total	
1	B-27	S 152nd St from 1st Ave S to Des Moines Memorial Drive	Permeable bicycle lane, Silva Cells, and bioretention	Connect existing intermittent sidewalks and construct bicycle lane on both sides of roadway	3	3	3	3	3	15	Potential partnership opportunity with Highline High School.
2	B-50	John F. Kennedy Catholic High School (140 S 140th St)	Permeable parking, bioretention, infiltration gallery, and rainwater cisterns	Potential upgrade to playground and athletic fields	3	3	3	3	3	15	
3	B-21	Burien Community Center	Permeable parking, bioretention	N/A	2	3	3	3	3	14	Parking lot is newer. There are opportunities to convert the existing swale to bioretention, roof cisterns, and interpretive signage.
4	B-29	Moshier Park (430 S 156th St)	Infiltration gallery, permeable parking, bioretention	Improve parking and construct bioretention	2	3	3	3	3	14	The park parking lot is shared with the Highline School District. Coordination between the two parties would be required.
5	B-31	Moshier Community Art Center (430 S 156th St)	Rainwater cistern, permeable pavement, bioretention	Improve parking, construct bioretention, and potentially improve Art Center building	3	3	3	3	2	14	Parking lot in very poor condition
6	B-39	S 160th St from 1st Ave S to Des Moines Memorial Drive	Permeable pavement, Silva Cells	Construct sidewalk to connect intermittent gaps and ADA compliant pedestrian ramps	3	2	3	3	3	14	The portion of the project area that crosses over Highway 509 is not suitable for infiltration.
7	KC-47	King County District Court (601 SW 149th St)	Bioretention, additional storage, permeable parking	Parking lot replacement	2	3	3	3	3	14	Parking lot south of the courthouse building is in very poor condition
8	B-40	SW 165th St from 16th Ave SW to 19th Ave SW	Permeable parking, bioretention	Regrade roadway to drain to the center and construct a storm drainage system	2	3	3	2	3	13	Burien Staff have assumed that bioretention could be added to this projects in front of properties that are supportive of the project.
9	B-19	SW 146th St from 1st Ave S to 14th Ave SW	Permeable bicycle lane, permeable sidewalk, Silva Cells	Constructed bicycle lanes and sidewalks on both sides of street	2	3	2	3	3	13	
10	B-20	6th Ave SW from SW 153rd St to SW 146th St	Permeable bicycle lane, permeable sidewalk	Bicycle lane, sidewalk	2	3	2	3	3	13	
11	B-26	2nd Ave SW from SW 150th St to SW 156th St	Permeable bicycle lane, permeable pavement, and Silva Cells	Bicycle lane, sidewalk	3	3	1	3	3	13	
12	B-28	Highline Performing Arts Center (401 S 152nd St)	Rainwater cistern	New development	3	3	1	3	3	13	
13	B-44	4th Ave S from S 168th St to S 165th St	Permeable pavement, bioretention	Construct storm drainage and water quality facilities	3	2	3	1	3	12	
14	B-32	SW/S 156th St/Ambaum Blvd SW from SW 154th St to Des Moines Memorial Drive	permeable pavement, bioretention	Construct bicycle lane, sidewalk, planter strip	3	3	1	2	3	12	The portion of the project area that crosses over Highway 509 is not suitable for infiltration.



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15	B-22	S & SW 146th St from Ambaum Blvd SW to 8th Ave S	Permeable pavement, Silva Cells	Repair existing sidewalk make ADA improvements as necessary	2	3	1	3	3	12	
16	B-6	Puget Sound Park (135 SW 126th St)	Deep infiltration, permeable pavement, bioretention, and conveyance improvements	Improve parking, drainage, and sport courts and conduct trail maintenance	2	3	2	1	3	11	Burien staff indicated there are many major utilities running through the site. LID improvements would need to be focused on the flat to moderately sloped portion of the site.
17	W-2	SR 518 from 1st Ave S to S 154th St	Bioretention, permeable shoulders	None	3	2	2	1	3	11	Coordination with WSDOT would be required. The portion of the project area that crosses over Highway 509 would not be suitable for infiltration. Project would need to be sited to avoid critical areas and/or improve creek buffers.
18	B-10	1st Ave S from SW 128th to SW 140th St	Bioretention	Reconstruct roadway including storm drainage conveyance, flow control and water quality facilities, and landscaping	2	3	2	1	3	11	
19	B-23	SW 152nd St from 10th Ave SW to 22nd Ave SW	Bioretention, permeable parking	Improve roadway with sidewalks, parking, bicycle lane, planter strip	2	2	3	1	3	11	The City of Burien has received numerous complaints about local flooding in the area.
20	NP-2	City Hall Park (801 SW 174th St)	Rainwater cisterns, vegetated roofs, bioretention, permeable parking, and infiltration gallery	Repair walking trail, sports field improvement, parking extension	3	3	3	1	1	11	
21	NP-8	1st Ave S from SW Normandy Road to 186th Ave SW	Permeable pavement and bioretention	Improve safety and mobility of roadway by adding permeable sidewalks, storm drainage, street trees, landscaped medians, and ADA compliant facilities	3	2	2	1	3	11	
22	NP-10	SW Normandy RD west of 4th Ave S to 8th Avenue SW	Permeable sidewalks, bioretention, and Silva Cells	Install curb and gutter, ADA compliant pedestrian improvements	3	2	1	2	3	11	Normandy Park is completing phase 1, from 1st to 4th, and this project will tie in well. Field check for Level 1 concurrent with Level II.
23	B-38	4th Ave SW from SW 153rd St to SW 160th St	Permeable bicycle lane, permeable pavement, and Silva Cells	Reconstruct roadway to include storm drainage, curb and gutter, bicycle lanes, and sidewalk	3	2	1	2	3	11	Site located near Burien outlet tributary and could help improve hydrology.
24	B-24	12th Ave SW from SW 152nd St to SW 148th St	Permeable bicycle lane, permeable sidewalk, and Silva Cell	Bicycle lane, sidewalk	2	3	1	2	3	11	



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25	B-41	16th Ave SW from SW 160th to SW 168th St	Permeable pavement, roadway bioretention, and Silva Cells	Storm drainage, reconstruct roadway, and sidewalk	2	3	1	2	3	11	
26	B-25	SW 150th St from 1st Ave S to Ambaum Blvd SW	Permeable pavement, Silva Cells, and permeable sidewalk	Sidewalk	1	3	1	3	3	11	
27	NP-1	SW Suburban Sewer District Treatment Plant	Permeable pavement, roadway bioretention	None	1	3	3	1	3	11	LID Retrofit improvement would be focused on flat the portion of site. Creek buffer extremely degraded, could remove road on one side of creek and restore native vegetation.
28	W-1	SR 509 from S 120th St to Des Moines Memorial Drive	Bioretention, permeable pavement (median and shoulder)	None	3	2	2	1	3	11	Coordination with WSDOT would be required. Project would need to be sited to avoid critical areas and/or improve creek buffers.
29	S-1	Des Moines Memorial Drive, between S 128th Street and S 144th Street	Bioretention	None	3	2	2	2	2	11	The wetland northwest of the intersection of S 146th St and Des Moines Memorial Drive is not being considered for restoration, due to private land ownership.
30	B-3	1st Ave S from SW 116th St to SW 128th	Roadway bioretention, permeable pavement, and Silva Cells	Storm drainage, reconstruct roadway, landscaping, stormwater detention and water quality facility	1	2	2	3	3	11	
--	B-11	8th Ave S from S 136th St to SR 518/S 148th St	Roadway bioretention, permeable bicycle lane and sidewalk	Storm drainage, reconstruct roadway, landscaping, bicycle lane, and sidewalk	1	2	1	3	3	10	This project has been shortened to reflect that the improvements between SR 518 and Des Moines Memorial Drive will be constructed under another project.
--	B-14	8th Ave S from S 128th St to S 136th St	Roadway bioretention, permeable bicycle lane and sidewalk, and Silva Cells	Sidewalk, bicycle lanes, storm drainage, and landscaping	1	2	1	3	3	10	
--	B-42	Sylvester Rd from W City Limits to Highline Medical Center	Permeable pavement, bioretention, Silva Cells	N/A	3	2	1	1	3	10	



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--	B-43	Ambaum Blvd S from S 160th St to S 174th St	Permeable bicycle lane, bioretention	Construct pathway/bicycle lane with swale or planter strip on one side	2	2	2	1	3	10	Potential for curb bulb-out bioretention at the intersections of S 169th Pl. and S 163rd Pl.
--	B-45	Des Moines Memorial Drive from S 165th St to Normandy Rd	Permeable bicycle lane, permeable pavement, and Silva Cells	Reconstruct roadway constant with the Des Moines Memorial Drive corridor plan and Lake to Sound Trail, which will include storm drainage, landscaping, bicycle lane, sidewalk improvements.	2	2	2	1	3	10	The properties on the southern side of the roadway are downgradient from the roadway.
--	NP-11	SW 178th St from 1st Ave S to SW 2nd Ave	Permeable sidewalks, Silva Cells	Install curb and gutter, ADA compliant pedestrian improvements, and pavement overlay	3	2	1	1	3	10	
--	B-1	1st Ave S from SW 116th to SW 128th St	Roadway bioretention, permeable shoulders	N/A	1	2	2	2	3	10	
--	B-2	Near 2nd Avenue SW, between SW 116th Street and SW 118th Street	Existing ditch retrofit	N/A	2	2	1	2	3	10	
--	B-35	10th Ave SW from SW 150th St to SW 160th St	Permeable bicycle lane, permeable pavement, and Silva Cells	Bicycle lane, sidewalk	1	3	1	2	3	10	
--	B-48	SW 119th St. from 1st Ave S to 4th Ave SW	Bioretention	N/A	2	2	1	2	3	10	
--	B-5	Southern Heights Park (12025 14th Ave S)	Permeable pavement	Parking and sport court improvement	3	2	1	2	2	10	
--	B-7	2nd Ave S from S 124th St to S 128th St	Bioretention, permeable pavement	N/A	1	2	2	2	3	10	
--	B-8	8th Ave S from S 124th St to S 128th St	Roadway bioretention, permeable bicycle lane and sidewalk, and Silva Cells	Storm drainage, landscaping, bicycle lane, and sidewalk	1	3	1	2	3	10	
--	KC-1	1st Ave S from SW 108th to SW 116th St	Roadway bioretention, permeable shoulders	N/A	1	3	2	2	2	10	
--	NP-12	Normandy Park Swim Club (17655 12th Ave SW)	Permeable pavement parking lot	N/A	1	2	3	1	3	10	



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--	B-13	S 136th St from 1st Ave S to Des Moines Memorial Drive	Permeable pavement, bioretention, and Silva Cells	Construct bicycle lane, sidewalk	2	2	1	1	3	9	Potential for curb bulb-out at intersections. Portions of this potential project area are very steep and would not be suitable for infiltration. The portion of the project area that crosses over Highway 509 is not suitable for infiltration.
--	B-17	6th Ave SW & SW 148th St Intersection	Bioretention	Improve intersection by adding a left turn lane, undergrounding overhead utilities, major storm drainage replacement	1	3	1	1	3	9	Burien staff agreed this project should not be a Level II project due to low infiltration feasibility.
--	B-18	S 146th St from 1st Ave S to Des Moines Memorial Drive	bioretention, permeable bicycle lane	Construct bicycle lane	2	2	1	1	3	9	Burien staff agreed this project should not be a Level II project due to slopes. The portion of the project area that crosses over Highway 509 would not be suitable for infiltration.
--	B-34	SW 160th St from 8th Ave to SW 21st St	Permeable pavement, Silva Cells	Sidewalk	1	3	2	1	2	9	
--	B-36	8th Ave SW from Ambaum Blvd SW to Sylvester Rd SW	Permeable bicycle lane, permeable pavement	Storm drainage, bicycle lane, sidewalk, and parking	1	3	1	1	3	9	
--	B-9	SW 130th St. from 14th Ave SW to Ambaum Blvd SW	Cascade bioretention	Storm drainage, reconstruct roadway	1	3	1	1	3	9	
--	NP-5	Brittany Dr/ Normandy Terrace	Roadway bioretention	Culvert replacement	2	3	1	1	2	9	
--	NP-6	SW Normandy Terrace from Marine View Dr to Shoremont / Normandy Rd	Silva Cells, permeable sidewalk, and curb bulb-out	Sidewalk	1	3	1	1	3	9	
--	B-46	Walker Creek Wetland	Additional Storage (retrofit type TBD)	Parking improvement	1	2	1	2	3	9	
--	B-37	Lakeview Park (422 SW 160th St)	Rainwater cistern, permeable sport court	Redevelopment, sport court improvement	1	2	1	2	3	9	
--	B-4	Arbor Lake Park (12380 2nd Ave S)	Permeable pavement parking and trails	Parking improvement, trail extension	1	2	1	2	3	9	
--	B-52	Sylvester Middle School (16222 Sylvester Rd SW)	Permeable pavement, Rainwater cistern	N/A	1	2	1	2	3	9	Added based on client direction received 07.03.2014.
--	B-51	Chelsea Park (839 SW 136th St)	Bioretention, additional storage	N/A	2	3	3	0	0	8	
--	B-49	Goodwill (1031 SW 128th St)	Permeable parking and bioretention	N/A	1	2	1	1	3	8	
--	NP-9	SW 186th St from 1st Ave to 4th Ave	Silva Cells	Sidewalk	1	3	2	1	1	8	



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--	B-12	SW 136th St from 1st Ave S to Ambaum Blvd SW	Permeable shoulder, bioretention	Improve storm drainage, bicycle lane, sidewalk, parking	2	3	2	0	0	7	Wide street that has good potential opportunities for permeable shoulders and planter strip bioretention.
--	B-33	SW 159th St & 19th Ave SW from SW 21st Ave to SW 160th St	Roadway bioretention, permeable pavement, and Silva Cells	Storm drainage, reconstruct roadway, bicycle lane, sidewalk, and parking	1	3	1	1	1	7	

- Notes:**
- CIP Capital Improvement Project
 - MVSA Manhattan Village Sub-Area
 - N/A Not Applicable or Not Available
 - TIP Transportation Improvement
 - WSDOT Washington State Department of
- a - Other Planned Projects are based on the City of Burien's TIP (2014-2019), Recreation and Open Space Plan (2000), and Bicycle and Pedestrian Facilities Plans (2004); the City of Normandy Park's TIP (2003-2008); and meetings with City of Burien, Normandy Park and King County staff.
- b - Potential Retrofit Project Evaluation categories scored based on the Level I Criteria in Table 1.